10/053,349.

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 * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

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=> file biosis medline caplus wpids uspatfull
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                                                         ENTRY    SESSION
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CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

*** YOU HAVE NEW MAIL ***

=> s extraction?/ti
L1      186884 EXTRACTION?/TI

=> s l1 and nucleic acid?
   3 FILES SEARCHED...
L2        1392 L1 AND NUCLEIC ACID?

=> s l2 and methoxyethanol
L3           5 L2 AND METHOXYETHANOL

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4           3 DUP REM L3 (2 DUPLICATES REMOVED)

=> d l4 bib abs 1-3

L4   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2004 ACS on STN  DUPLICATE 1
AN   2002:539870  CAPLUS
DN   137:106051
TI   Nucleic acid extraction solution and use
     thereof
IN   Lentrichia, Brian; Cohenford, Menashi A.
PA   Cytyc Corporation, USA
SO   PCT Int. Appl., 30 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   WO 2002055739        A2    20020718    WO 2002-US1430          20020115
     WO 2002055739        A3    20030403
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS,
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LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	US 2002150937	A1	20021017	US 2002-53349	20020115
	EP 1352094	A2	20031015	EP 2002-704167	20020115
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004526430	T2	20040902	JP 2002-556785	20020115
PRAI	US 2001-261845P	P	20010115		
	WO 2002-US1430	W	20020115		

AB Disclosed are methods and compns. for extracting **nucleic acids** from a biol. sample. In particular, disclosed is a **nucleic acid** extraction solution together with method using such a solution for extracting **nucleic acid** sequences from biol. samples containing cells, cellular debris or both. The **nucleic acid** extraction solution contains a mol. having the formula R1O-CH2-CH2-OR2, wherein R1 and R2 independently are selected from the group consisting of hydrogen and an alkyl group. Vaginal swab samples spiked with Neisseria gonorrhoeae were extracted with 1 % 2-**methoxyethanol** in 2 mM borate buffer, pH 9.5.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2
AN 2002:429102 CAPLUS
DN 137:17445
TI Solutions comprising sodium metasilicate and a substituted ether for **nucleic acid extraction**
IN Lai, Lucy Tung-Yi; Ho, Michael Shiu-Yan
PA PE Corporation (NY), USA
SO PCT Int. Appl., 62 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044400	A2	20020606	WO 2001-US46165	20011115
	WO 2002044400	A3	20030220		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 6503716	B1	20030107	US 2000-724766	20001128
	CA 2430138	AA	20020606	CA 2001-2430138	20011115
	AU 2002020175	A5	20020611	AU 2002-20175	20011115
	EP 1346037	A2	20030924	EP 2001-998649	20011115
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2004534515	T2	20041118	JP 2002-546748	20011115
PRAI	US 2000-724766	A	20001128		
	WO 2001-US46165	W	20011115		

AB The present invention provides aqueous compns. comprising sodium metasilicate and an ether and methods of using the compns. to extract a **nucleic acid** from a cell, virus or other source. The extracted

nucleic acids can be used for a variety of purposes, including as a source of template DNA for a polymerase chain reaction. According to the method, a biol. sample is contacted with a **nucleic acid** extraction reagent for a period of time and at a temperature sufficient to lyse cells in the biol. sample. Following lysis, the **nucleic acids** are recovered from the cell debris, typically by centrifuging the sample to pellet the cell debris and recovering the supernatant, which comprises the **nucleic acids**. **Nucleic acid** extraction reagents useful in the method of the invention are solns. comprising sodium metasilicate and a substituted ether. The reagents are typically neutral to basic, with a pH in the range of about pH 7 to about pH 10, and generally comprise from about 0.1 % to about 18 % (w/v) sodium metasilicate and about 0.05 % to about 80 % (volume/volume) substituted ether. The identity of the substituted ether is not critical for success. Typical substituted ethers that can be used include, by way of example and not limitation, alkoxyalkyl alcs., aryloxyalkyl alcs. and alkyloxyaryl alcs. comprising a total of from 2 to 12-carbon atoms; more preferably from three or four to eight carbon atoms.

L4 ANSWER 3 OF 3 USPATFULL on STN
AN 2002:272816 USPATFULL
TI **Nucleic acid extraction** solution and use thereof
IN Lentrichia, Brian, Acton, MA, UNITED STATES
Cohenford, Menashi A., West Warwick, RI, UNITED STATES
PI US 2002150937 A1 20021017
AI US 2002-53349 A1 20020115 (10)
PRAI US 2001-261845P 20010115 (60)
DT Utility
FS APPLICATION
LREP TESTA, HURWITZ & THIBEAULT, LLP, HIGH STREET TOWER, 125 HIGH STREET, BOSTON, MA, 02110
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 981
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are methods and compositions for extracting **nucleic acids** from a biological sample. In particular, disclosed is a **nucleic acid** extraction solution together with methods using such a solution for extracting **nucleic acid** sequences from biological samples containing cells, cellular debris or both. The **nucleic acid** extraction solution contains a molecule having the formula R.sub.1O--CH.sub.2--CH.sub.2--OR.sub.2, wherein R.sub.1 and R.sub.2 independently are selected from the group consisting of hydrogen and an alkyl group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> s extraction? (10a) borate(3a) buffer?
L10         64 EXTRACTION? (10A) BORATE(3A) BUFFER?

=> dup rem l10
PROCESSING COMPLETED FOR L10
L11          57 DUP REM L10 (7 DUPLICATES REMOVED)

=> s l11 and nucleic acid?
   3 FILES SEARCHED...
L12         21 L11 AND NUCLEIC ACID?

=> d l12 bib abs 1-21

L12  ANSWER 1 OF 21  USPATFULL on STN
AN      2004:65290  USPATFULL
TI      Pear genes codifying for beta-galactosidase,pectin methylesterse,
        polygalacturonase, expansins and their use
IN      Matias Fonseca, Sandra Cristina, Loures, PORTUGAL
        Balde, Aladje, Queluz, PORTUGAL
        Soares Pais, Maria Salome, Lisboa, PORTUGAL
PI      US 2004049809      A1   20040311
AI      US 2003-362091     A1   20030902 (10)
        WO 2001-PT21            20010820
PRAI    PT 2000-102511      20000822
DT      Utility
FS      APPLICATION
LREP    FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 1300 I STREET, NW,
        WASHINGTON, DC, 20005
CLMN    Number of Claims: 31
ECL     Exemplary Claim: 1
DRWN    No Drawings
LN.CNT 1460
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB      This invention provides isolated and purified nucleotide sequences which
        are differentially expressed during pear fruit ripening, and their
        protein products. The isolated genes can be inserted into expresssion
        cassettes and cloned in an expression vector which can be used to
        transform a host cell by selected transformation methods. Transgenic
        plants can be regenerated from transformed plant cells by in vitro
        culture techniques. The nucleotide sequences disclosed in this invention
        encode proteins which are described as having an effective action in
        fruit ripening control. When used in antisense orientation they can
        delay fruit softening and mesocarp deterioration, bringing important
        advantages for fruit producers.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12  ANSWER 2 OF 21  USPATFULL on STN
AN      2004:38628  USPATFULL
TI      Inducible COMT_II promoter, chimeric gene containing same and plants
        transformed therewith
IN      Fritig, Bernard, Souffelweyersheim, FRANCE
        Toquin, Valerie, Morlaix, FRANCE
        Geoffroy, Pierrette, Stresbourg, FRANCE
        Legrand, Michel, Pfettisheim, FRANCE
        Kauffmann, Serge, Strasbourg, FRANCE
PI      US 2004029167      A1   20040212
AI      US 2003-633840     A1   20030804 (10)
RLI     Division of Ser. No. US 2001-937204, filed on 13 Dec 2001, PENDING A 371
        of International Ser. No. WO 2000-FR714, filed on 22 Mar 2000, UNKNOWN
PRAI    FR 1999-3700        19990322
```

FR 1999-7646 19990611
DT Utility
FS APPLICATION
LREP BAKER & BOTTS, 30 ROCKEFELLER PLAZA, NEW YORK, NY, 10112
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN 5 Drawing Page(s)
LN.CNT 2056
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention concerns a novel regulating COMTII promoter sequence inducible in response to a mechanical or chemical injury, or in response to aggression by a pathogenic agent, in particular bacterial, fungal or viral, or by an insect or a threadworm. The invention also concerns a chimera gene (or expression cassette) comprising the inventive regulating promoter sequence controlling the expression of a heterologous coding sequence and a host organism comprising said chimera gene, transformed plants containing it and the seeds of said transformed plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 21 USPATFULL on STN
AN 2003:320422 USPATFULL
TI DNA regulatory elements associated with fruit development
IN May, Gregory D., Ardmore, OK, UNITED STATES
Clendennen, Stephanie K., Portland, OR, UNITED STATES
Mason, Hugh S., Ithaca, NY, UNITED STATES
Gomez Lim, Miguel A., Guanajuato, MEXICO
Arntzen, Charles J., Superstition Mountain, AZ, UNITED STATES
PI US 2003226175 A1 20031204
AI US 2001-892635 A1 20010628 (9)
RLI Continuation-in-part of Ser. No. US 1998-160351, filed on 25 Sep 1998, GRANTED, Pat. No. US 6284946
PRAI US 1997-60062P 19970925 (60)
DT Utility
FS APPLICATION
LREP BURNS DOANE SWECKER & MATHIS L L P, POST OFFICE BOX 1404, ALEXANDRIA, VA, 22313-1404
CLMN Number of Claims: 44
ECL Exemplary Claim: 1
DRWN 94 Drawing Page(s)
LN.CNT 5465
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides isolated and purified genes which are differentially expressed during banana fruit development, and the protein products of these genes. The present invention further provides DNA regulatory elements which are differentially expressed during banana fruit development, chimeric genes comprising these DNA regulatory elements operably linked to heterologous DNA molecules, and plants transformed with said chimeric genes, providing for controlled expression of said heterologous DNA molecules during the development and ripening of the fruit of said plants, or in response to exogenous ethylene signals in said plants. The present invention also provides a method for expression of a heterologous protein in fruit comprising transforming fruiting plants with one or more chimeric genes according to the present invention, exposing said fruit to an endogenous or exogenous ethylene signal, and harvesting fruit containing said heterologous protein. The method of the present invention may further comprise isolated the proteins produced by said method from the harvested fruit. In a particularly preferred embodiment, the heterologous protein is a therapeutic protein, which may be isolated from the harvested fruit, or consumed directly in the transformed fruit

by a patient in need of said therapeutic protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 4 OF 21 USPATFULL on STN
AN 2002:273576 USPATFULL
TI Immune mediators and related methods
IN Kindsvogel, Wayne, Seattle, WA, UNITED STATES
Reich, Eva Pia, Palo Alto, CA, UNITED STATES
Gross, Jane A., Seattle, WA, UNITED STATES
Deshpande, Shrinkant, Fremont, CA, UNITED STATES
Sheppard, Paul O., Redmond, WA, UNITED STATES
PA Corixa Corp., Seattle, WA, UNITED STATES, 98104 (U.S. corporation)
PI US 2002151707 A1 20021017
AI US 2002-81281 A1 20020220 (10)
RLI Continuation of Ser. No. US 1999-261811, filed on 3 Mar 1999, PENDING
Continuation of Ser. No. US 1996-657581, filed on 7 Jun 1996, ABANDONED
Continuation of Ser. No. US 1995-480002, filed on 7 Jun 1995, ABANDONED
Continuation of Ser. No. US 1995-483241, filed on 7 Jun 1995, ABANDONED
Continuation of Ser. No. US 1995-482133, filed on 7 Jun 1995, ABANDONED
PRAI US 1995-5964P 19951027 (60)
DT Utility
FS APPLICATION
LREP TOWNSEND AND TOWNSEND AND CREW, LLP, TWO EMBARCADERO CENTER, EIGHTH FLOOR, SAN FRANCISCO, CA, 94111-3834
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 4579
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Immune modulators, such as soluble, fused MHC heterodimers and soluble, fused MHC heterodimer:peptide complexes, are described. Related methods and peptides are also disclosed. In a preferred aspect, these mediators and methods are related to autoimmunity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 5 OF 21 USPATFULL on STN
AN 2002:272816 USPATFULL
TI **Nucleic acid** extraction solution and use thereof
IN Lentrichia, Brian, Acton, MA, UNITED STATES
Cohenford, Menashi A., West Warwick, RI, UNITED STATES
PI US 2002150937 A1 20021017
AI US 2002-53349 A1 20020115 (10)
PRAI US 2001-261845P 20010115 (60)
DT Utility
FS APPLICATION
LREP TESTA, HURWITZ & THIBEAULT, LLP, HIGH STREET TOWER, 125 HIGH STREET, BOSTON, MA, 02110
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 981
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Disclosed are methods and compositions for extracting **nucleic acids** from a biological sample. In particular, disclosed is a **nucleic acid** extraction solution together with methods using such a solution for extracting **nucleic acid** sequences from biological samples containing cells, cellular debris or both. The **nucleic acid** extraction solution contains a molecule having the formula R.sub.1O--CH.sub.2--CH.sub.2--OR.sub.2, wherein R.sub.1 and R.sub.2 independently are selected from the group

consisting of hydrogen and an alkyl group.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 6 OF 21 USPATFULL on STN
AN 2002:217031 USPATFULL
TI Methods for identifying **nucleic acid** mutations using mismatch modification
IN Weghorst, Christopher Mark, Pickerington, OH, United States
Wani, Altaf Ahmad, Columbus, OH, United States
PA Ohio State University, Columbus, OH, United States (U.S. corporation)
PI US 6440673 B1 20020827
WO 9941414 19990819
AI US 2000-622085 20001116 (9)
WO 1999-US3132 19990212
20001116 PCT 371 date
RLI Continuation-in-part of Ser. No. US 1998-23989, filed on 13 Feb 1998, now patented, Pat. No. US 6080544
DT Utility
FS GRANTED
EXNAM Primary Examiner: Whisenant, Ethan C.
LREP McDonnell Boehnen Hulbert & Berghoff
CLMN Number of Claims: 32
ECL Exemplary Claim: 1
DRWN 16 Drawing Figure(s); 14 Drawing Page(s)
LN.CNT 1285
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides methods for specifically detecting DNA mismatches between heteroduplex strands produced between wildtype and mutation containing **nucleic acid** species. Kits for performing the methods of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 7 OF 21 USPATFULL on STN
AN 2002:88233 USPATFULL
TI Polypeptide compounds and nucleotide sequences promoting resistance to eutypa dieback in plants
IN Latche, Alain, Toulouse, FRANCE
Roustan, Jean-Paul, Castanet, FRANCE
Bouzayen, Mondher, Toulouse, FRANCE
Pech, Jean-Claude, Toulouse, FRANCE
Fallot, Jean, Auzeville, FRANCE
PA Societe des Domaines Viticoles Martell, Cognac, FRANCE (non-U.S. corporation)
PI US 6376212 B1 20020423
AI US 1999-432160 19991102 (9)
RLI Division of Ser. No. US 1998-15754, filed on 29 Jan 1998, now patented, Pat. No. US 6063986, issued on 16 May 2000
PRAI FR 1997-962 19970129
DT Utility
FS GRANTED
EXNAM Primary Examiner: Schwartzman, Robert A.; Assistant Examiner: Davis, Katharine F
LREP McKenna & Cuneo, LLP
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 1114
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The subject of the invention is a nucleotide sequence coding for an enzyme with eutypine reductase activity, capable of metabolizing the

eutypine synthesized in plants by a fungus of the Eutypa lata or Libertella blepharis type. The overproduction of eutypine reductase by the plant hose of the fungus enables the consequences of the presence of this fungus in plants to be attenuated or even eradicated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 8 OF 21 USPATFULL on STN
AN 2001:148149 USPATFULL
TI Banana DNA associated with fruit development
IN May, Gregory D., Ithaca, NY, United States
Clendennen, Stephanie K., Lake Oswego, OR, United States
PA Boyce Thompson Institute for Plant Research Inc., Itacha, NY, United States (U.S. corporation)
PI US 6284946 B1 20010904
AI US 1998-160351 19980925 (9)
PRAI US 1997-60062P 19970925 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Benzion, Gary; Assistant Examiner: Mehta, Ashwin
LREP Burns, Doane, Swecker & Mathis, LLP
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN 93 Drawing Figure(s); 91 Drawing Page(s)
LN.CNT 1547
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides isolated and purified genes which are differentially expressed during banana fruit development, and the protein products of these genes. The present invention further provides DNA regulatory elements which are differentially expressed during banana fruit development, chimeric genes comprising these DNA regulatory elements operably linked to heterologous DNA molecules, and plants transformed with said chimeric genes, providing for controlled expression of said heterologous DNA molecules during the development and ripening of the fruit of said plants, or in response to exogenous ethylene signals in said plants. The present invention also provides a method for expression of a heterologous protein in fruit comprising transforming fruiting plants with one or more chimeric genes according to the present invention, exposing said fruit to an endogenous or exogenous ethylene signal, and harvesting fruit containing said heterologous protein. The method of the present invention may further comprise isolated the proteins produced by said method from the harvested fruit. In a particularly preferred embodiment, the heterologous protein is a therapeutic protein, which may be isolated from the harvested fruit, or consumed directly in the transformed fruit by a patient in need of said therapeutic protein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 9 OF 21 USPATFULL on STN
AN 2001:82993 USPATFULL
TI Strawberry endo-1,4-β-glucanase genes and their uses
IN Harpster, Mark H., Albany, CA, United States
PA DNA Plant Technology Corporation, Oakland, CA, United States (U.S. corporation)
PI US 6242668 B1 20010605
AI US 1999-348443 19990707 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Benzion, Gary; Assistant Examiner: Mehta, Ashwin D.
LREP Townsend and Townsend and Crew
CLMN Number of Claims: 22

ECL Exemplary Claim: 14
DRWN No Drawings
LN.CNT 1287
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention provides **nucleic acid** molecules and methods useful in controlling cell wall degradation in plants.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 10 OF 21 USPATFULL on STN
AN 2000:80552 USPATFULL
TI Methods for identifying **nucleic acid** mutations using mismatch modification
IN Weghorst, Chirstopher M., Pickerington, OH, United States
Wani, Altaf Ahmad, Columbus, OH, United States
PA Ohio State University, Columbus, OH, United States (U.S. corporation)
PI US 6080544 20000627
AI US 1998-23989 19980213 (9)
DT Utility
FS Granted
EXNAM Primary Examiner: Jones, W. Gary; Assistant Examiner: Whisenant, Ethan
LREP McDonnell Boehnen Hulbert & Berghoff
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 11 Drawing Page(s)
LN.CNT 1105
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention provides methods for specifically detecting DNA mismatches between heteroduplex strands produced between wildtype and mutation containing **nucleic acid** species. Kits for performing the methods of the invention are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 11 OF 21 USPATFULL on STN
AN 2000:61802 USPATFULL
TI Polypeptide compounds and nucleotide sequences promoting resistance to eutypa dieback in plants
IN Latche, Alain, Toulouse, France
Roustan, Jean-Paul, Castanet, France
Bouzayen, Mondher, Toulouse, France
Pech, Jean-Claude, Toulouse, France
Fallot, Jean, Auzeville, France
PA Societe des Domaines Viticoles Martell, Cognac, France (non-U.S. corporation)
PI US 6063986 20000516
AI US 1998-15754 19980129 (9)
PRAI FR 1997-962 19970129
DT Utility
FS Granted
EXNAM Primary Examiner: Fox, David T.; Assistant Examiner: Zaghmout, Ousama
LREP McKenna & Cuneo LLP
CLMN Number of Claims: 33
ECL Exemplary Claim: 1,15
DRWN 3 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 1287
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Polypeptide compounds and nucleotide sequences promoting resistance to eutypa dieback in plants

The subject of the invention is a nucleotide sequence coding for an enzyme with eutypine reductase activity, capable of metabolizing the

eutypine synthesized in plants by a fungus of the Eutypa lata or Libertella blepharis type.

The overproduction of eutypine reductase by the plant host of the fungus enables the consequences of the presence of this fungus in plants to be attenuated or even eradicated.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 12 OF 21 USPATFULL on STN
AN 1999:113624 USPATFULL
TI DNA sequence for uricase and manufacturing process of uricase
IN Shigyo, Tatsuro, Yaizu, Japan
Sugihara, Kohji, Yaizu, Japan
Takamoto, Yuji, Yaizu, Japan
Takashio, Masachika, Yaizu, Japan
Kamimura, Minoru, Yaizu, Japan
Yamamoto, Kazumi, Tsuruga, Japan
Kojima, Yoshio, Tsuruga, Japan
Kikuchi, Toshiro, Tsuruga, Japan
Emi, Shigenori, Tsuruga, Japan
PA Toyo Boseki Kabushiki Kaisha, Osaka, Japan (non-U.S. corporation)
PI US 5955336 19990921
AI US 1992-906029 19920626 (7)
RLI Continuation-in-part of Ser. No. US 1989-386566, filed on 27 Jul 1989, now abandoned
PRAI JP 1988-203239 19880817
DT Utility
FS Granted
EXNAM Primary Examiner: Hendricks, Keith D.
LREP Frishauf, Holtz, Goodman, Langer & Chick, P.C.
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 7 Drawing Page(s)
LN.CNT 664
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to DNA containing a gene encoding uricase, a plasmid having said DNA, a transformant containing said plasmid, and a process for producing uricase by using said transformant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 13 OF 21 USPATFULL on STN
AN 1998:27943 USPATFULL
TI Isolated recombinant uricase
IN Shigyo, Tatsuro, Yaizu, Japan
Sugihara, Kohji, Yaizu, Japan
Takamoto, Yuji, Yaizu, Japan
Takashio, Masachika, Yaizu, Japan
Kamimura, Minoru, Yaizu, Japan
Yamamoto, Kazumi, Tsuruga, Japan
Kojima, Yoshio, Tsuruga, Japan
Kikuchi, Toshiro, Tsuruga, Japan
Emi, Shigenori, Tsuruga, Japan
PA Toyo Boseki Kabushiki Kaisha, Osaka, Japan (non-U.S. corporation)
PI US 5728562 19980317
AI US 1995-469649 19950606 (8)
RLI Division of Ser. No. US 1992-906029, filed on 26 Jun 1992 which is a continuation-in-part of Ser. No. US 1989-386566, filed on 27 Jul 1989, now abandoned
PRAI JP 1988-203239 19880817
DT Utility

FS Granted
EXNAM Primary Examiner: Hendricks, Keith D.
LREP Frishauf, Holtz, Goodman, Langer & Chick, P.C.
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 11 Drawing Figure(s); 7 Drawing Page(s)
LN.CNT 595
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB This invention relates to an isolated uricase which is stable in an aqueous solution at a temperature up to 60° C. and at a pH of 8.0 for 10 minutes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 14 OF 21 USPATFULL on STN
AN 96:87711 USPATFULL
TI Synthetic storage proteins with defined structure containing programmable levels of essential amino acids for improvement of the nutritional value of plants
IN Falco, Saverio C., Arden, DE, United States
Keeler, Sharon J., Newark, DE, United States
Rice, Janet A., Wilmington, DE, United States
PA E. I. DuPont de Nemours and Company, Wilmington, DE, United States (U.S. corporation)
PI US 5559223 19960924
WO 9303160 19930218
AI US 1994-182175 19940203 (8)
WO 1992-US6412 19920807
19940203 PCT 371 date
19940203 PCT 102(e) date
DT Utility
FS Granted
EXNAM Primary Examiner: Moody, Patricia R.
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 16 Drawing Figure(s); 12 Drawing Page(s)
LN.CNT 3353
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB There is provided synthetic **nucleic acid** fragments for the altered expression of selected nutritionally-important proteins in plants. These **nucleic acid** fragments may be used to transform plants, particularly crop plants, to increase the lysine and methionine content of seeds or leaves. The invention is of significant interest for the nutritional improvement of corn which is low in lysine and sulfur amino acid-poor plants, such as corn and soybean. There is also provided chimeric genes, host cells, plants, seeds and microorganisms containing the **nucleic acid** fragment as well as methods for obtaining the expression of particular proteins in plants and microorganisms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 15 OF 21 USPATFULL on STN
AN 90:79807 USPATFULL
TI Probe containing a modified **nucleic acid**, recognizable by specific antibodies and use of this probe and theses specific antibodies to detect and characterize a homologous DNA sequence
IN Tchen, Paul, Nanterre, France
PA Institut National de la Sante et de la Researche Medicale, France (non-U.S. government)
Institut Pasteur, France (non-U.S. corporation)
PI US 4963477 19901016

AI US 1989-330987 19890328 (7)
RLI Continuation of Ser. No. US 1985-692064, filed on 16 Jan 1985, now abandoned
PRAI FR 1984-607 19840116
DT Utility
FS Granted
EXNAM Primary Examiner: Yarbrough, Amelia B.
LREP Finnegan, Henderson, Farabow, Garrett & Dunner
CLMN Number of Claims: 12
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 592
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The invention relates to a kit for detecting the presence of a **nucleic acid** sequence, such as a gene or a gene fragment, in a composition or a specimen supposed to contain it. The kit comprises a probe containing a **nucleic acid** complementary with the **nucleic acid** sequence or gene which is sought. The probe bears at least one 7-iodo-N-2-acetylamino-fluorene group covalently fixed at one at least of the bases of this probe.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 16 OF 21 USPATFULL on STN
AN 90:67735 USPATFULL
TI Efficient prokaryotic expression system
IN Anilionis, Algis, Arlington, MA, United States
Palmer, John L., Arlington, MA, United States
PA Repligen Corporation, Cambridge, MA, United States (U.S. corporation)
PI US 4952682 19900828
AI US 1988-253351 19880930 (7)
RLI Continuation of Ser. No. US 1987-109003, filed on 16 Oct 1987, now abandoned which is a division of Ser. No. US 1984-686344, filed on 26 Dec 1984, now patented, Pat. No. US 4721671
DT Utility
FS Granted
EXNAM Primary Examiner: Mays, Thomas D.
LREP Saliwanchik & Saliwanchik
CLMN Number of Claims: 1
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 3 Drawing Page(s)
LN.CNT 612
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A novel highly effective prokaryotic expression system is exemplified specifically by being used to produce the useful enzyme β-glucuronidase (BG). This system uses a hybrid plasmid comprising BG gene promoter DNA. The level of expression of BG by an E. coli K-12 derivative host is in the 50% of total cellular protein range. The invention expression system also can be used to express other useful proteins, as disclosed herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 17 OF 21 USPATFULL on STN
AN 89:100553 USPATFULL
TI Hybrid proteins produced by an ultrahigh prokaryotic expression
IN Palmer, John L., Arlington, MA, United States
Anilionis, Algis, Arlington, MA, United States
PA Repligen Corporation, Cambridge, MA, United States (U.S. corporation)
PI US 4888280 19891219
AI US 1986-899699 19860825 (6)

DCD 20050126
RLI Division of Ser. No. US 1984-686342, filed on 26 Dec 1984, now patented, Pat. No. US 4691009
DT Utility
FS Granted
EXNAM Primary Examiner: Tanenholtz, Alvin E.
LREP Saliwanchik, Roman, Saliwanchik, David R.
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN 5 Drawing Figure(s); 5 Drawing Page(s)
LN.CNT 969
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Hybrid useful proteins are prepared by a novel biological system comprising a prokaryotic host transformed with novel hybrid plasmids' β-glucuronidase (BG) gene DNZ and the desired protein gene DNA. Specifically exemplified are plasmids which comprise BG gene DNA and protein A DNA. E. coli K-12 derivative hosts transformed with plasmid pBG3-2Δn express >60% of the desired fusion protein having protein A-like biological activity. Other useful proteins can be expressed via the elegant highly efficient expression system of the subject invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 18 OF 21 USPATFULL on STN
AN 88:5584 USPATFULL
TI Efficient prokaryotic expression system using portions of the E. coli β
IN Anilionis, Algis, Arlington, MA, United States
Palmer, John L., Arlington, MA, United States
PA Repligen Corporation, Cambridge, MA, United States (U.S. corporation)
PI US 4721671 19880126
AI US 1984-686344 19841226 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Wiseman, Thomas G.; Assistant Examiner: Mays, Thomas D.
LREP Saliwanchik, Roman, Saliwanchik, David R.
CLMN Number of Claims: 27
ECL Exemplary Claim: 1,23
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 688
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A novel highly effective prokaryotic expression system is exemplified specifically by being used to produce the useful enzyme β-glucuronidase (BG). This system uses a hybrid plasmid comprising BG gene promotor DNA. The level of expression of BG by an E. coli K-12 derivative host is in the 50% of total cellular protein range. The invention expression system also can be used to express other useful proteins, as disclosed herein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 19 OF 21 USPATFULL on STN
AN 87:41592 USPATFULL
TI Dental enamel production
IN Slavkin, Harold C., Beverly Hills, CA, United States
Snead, Malcolm L., Los Angeles, CA, United States
Woo, Savio L. C., Houston, TX, United States
Zeichner-David, Margarita, Santa Monica, CA, United States
PA University of Southern California, Los Angeles, CA, United States (U.S. corporation)
PI US 4672032 19870609

AI US 1983-550527 19831109 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Wiseman, Thomas G.; Assistant Examiner: Teskin, Robin L.
LREP Nilsson, Robbins, Dalgarn, Berliner, Carson & Wurst
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN 10 Drawing Figure(s); 10 Drawing Page(s)
LN.CNT 1536
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB Methods are provided for the formation of dental enamel crystals in biosynthetic matrix form by the nucleation of calcium solutions with enamel proteins and for the use of such enamel crystals as restorative material.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 20 OF 21 USPATFULL on STN
AN 85:31453 USPATFULL
TI Method of preventing virus increase in plants
IN Loebenstein, Gad, Rehovot, Israel
Gera, Abed, Ramat Aviv, Israel
PA State of Israel, Ministry of Agriculture, Beit Dagan, Israel (non-U.S. government)
PI US 4520020 19850528
AI US 1982-398358 19820715 (6)
PRAI IL 1982-65765 19820513
DT Utility
FS Granted
EXNAM Primary Examiner: Meyers, Albert T.; Assistant Examiner: Rollins, Jr., John W.
LREP Finnegan, Henderson, Farabow, Garrett & Dunner
CLMN Number of Claims: 22
ECL Exemplary Claim: 1,13
DRWN 7 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1001
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB A method of isolating material which inhibits virus replication in plants comprising isolating protoplasts from a local lesion-responding tobacco plant having an N gene, preferably a Samsun NN tobacco plant, inoculating the protoplasts with Tobacco Mosaic Virus, and either removing the protoplasts after a predetermined amount of time and isolating the desired material from the protoplast incubation medium, or removing the virus after a predetermined amount of time and isolating the desired material from the preparation.

Also provided is a method of isolating material which inhibits virus replication in plants comprising isolating tissue from a "green island" area of a tobacco plant which responds systemically to Cucumber Mosaic Virus, preferably a Samsun NN, a Xanthi-nc or Samsun plant, homogenizing the tissue and isolating the desired material from the homogenate, as well as a method of immunizing plants against virus replication comprising applying thereto the material isolated as above.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 21 OF 21 USPATFULL on STN
AN 82:35283 USPATFULL
TI Method of crystallizing ribulose, 1,5-bisphosphate carboxylase/oxygenase from photosynthetic organisms, particularly plant leaves
IN Bourque, Don P., Tucson, AZ, United States

PA University Patents, Inc., Norwalk, CT, United States (U.S. corporation)
PI US 4340676 19820720
AI US 1980-190233 19800924 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Shapiro, Lionel M.
LREP Mason, Kolehmainen, Rathburn & Wyss
CLMN Number of Claims: 60
ECL Exemplary Claim: 1
DRWN 1 Drawing Figure(s); 1 Drawing Page(s)
LN.CNT 1023
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Fraction I protein from plant leaves is purified and subsequently crystallized. The crystallization methods disclosed herein unexpectedly produce crystallization in all crop leaves examined, although for some species modification by salt addition is required to achieve crystallization and to prevent formation of substantial percentages of amorphous protein precipitates. It has been found that a fraction I protein solution, when mixed with a precipitant solution having a pH generally within the range of 4.8-7.2, in an amount and at a pH sufficient to provide a mixed solution (protein solution mixed with precipitant solution) having a final pH in the range of 6.6-7.0, causes crystallization of fraction I protein from plant leaves, provided that the precipitant solution is at a pH lower than the pH of the protein solution. Optimum results have been obtained when the pH of the precipitant solution is in the range of 5.0 to 6.0 and the protein solution in the range of 7.0 to 7.5. For certain species such as potato and tobacco, the protein solution should include a salt, such as sodium chloride, capable of increasing the solubility of the protein in water, to avoid the precipitation of fraction I protein in amorphous form before conditions are proper for crystallization.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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